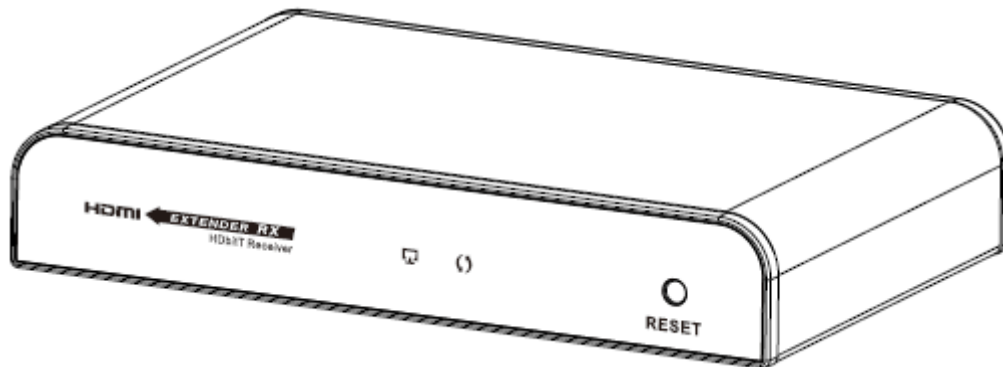


HDMI HDbiT Extender

User Manual



1 . INTRODUCTION

HDMI HDbiT extender, takes the advantages of the latest transmission technology – HDbiT, extends your HDMI video/audio with the resolution of 1080P up to 120m(394feet) via single network cable and one HDMI loop output.

HDbiT: High-definition digital network transport protocol, compared to traditional technology, it provides better stable performance, image clarity, further transmission distance and other significant advantages, easily to meet the demand for high-definition long-distance transmission without any converter.

Important Safety instructions:

1. Do not mix up the HDMI to LAN sender and LAN to HDMI receiver, and the IR blaster and IR receiver.
2. Do not plug-in/out the cables ,when it is in using
3. Use DC 5V power supply only. Make sure the specification matched if using 3rd party DC adapters.

2. Package Contents

1.HDMI EXTENDER TX×1pcs



3.DC5V/1A DC Adaptor×2pcs



5.IR blaster extension cable×1

2. HDMI EXTENDER RX×1pcs



4. User Manual×1pcs



6. IR receiver extension cable×1



3. Installation Requirements

3.1. HDMI source devices: with HDMI OUTPUT interface, DVD, PS3, STB, PC etc.

3.2. Display devices : With HDMI INPUT port, SDTV, HDTV, projector

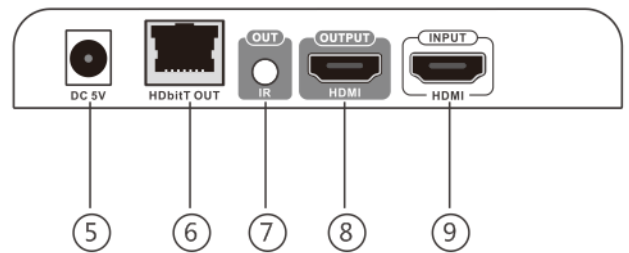
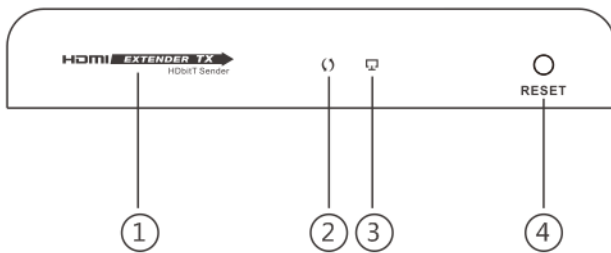
3.3. Network cables :

UTP/STP Cat5e/6 network cables, which following the standard of IEEE-568B.

Transmission length: CAT5 80m/CAT5E 100m/CAT6 120m

4. Interface

4.1.HDMI EXTENDER TX (Sender)



1 Power Light

2 Data transmission light

3 Network link light

4 Reset

5 Power input (DC5V)

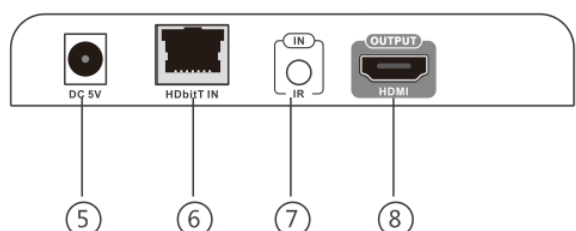
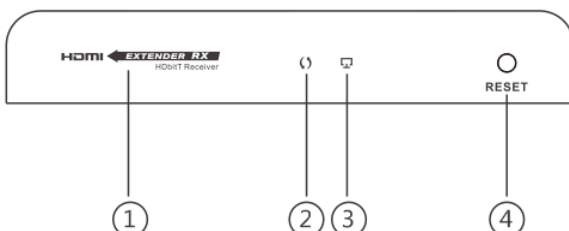
6 HDbIT signal output

7 IR signal output to connect with blaster extension cable

8 HDMI signal output

9 HDMI signal iutput

4.2.HDMI EXTENDER RX (Receiver)



- 1 Power Light
- 2 Data transmission light
- 3 Network link light
- 4 Reset
- 5 Power input (DC5V)
- 6 HDbiT signal input
- 7 IR signal input to connect with IR receiver extension cable
- 8 HDMI signal output

5. Connection & Installation

5.1. How to make a Cat5e/6 network cable



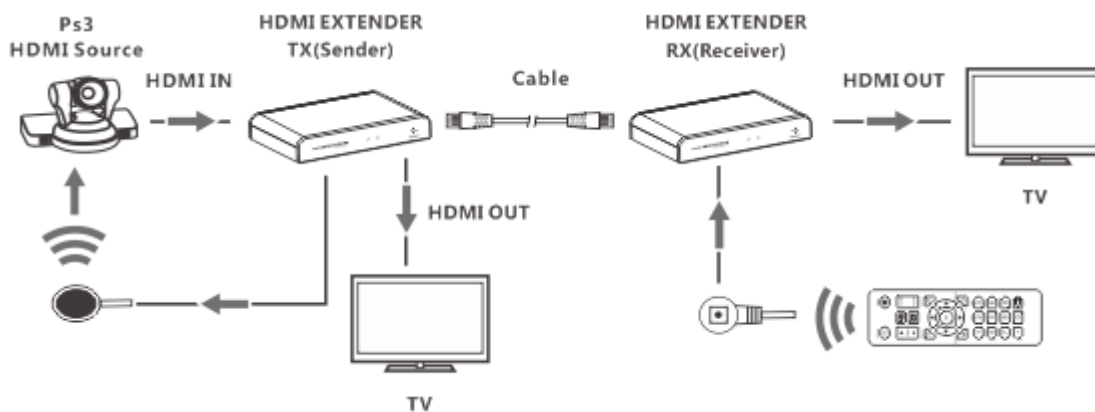
Follow the standard of IEEE-568B:

1	white and orange	4	blue	7	white and brown
2	orange	5	white and blue	8	brown
3	white and green	6	green		

5.2 Connections

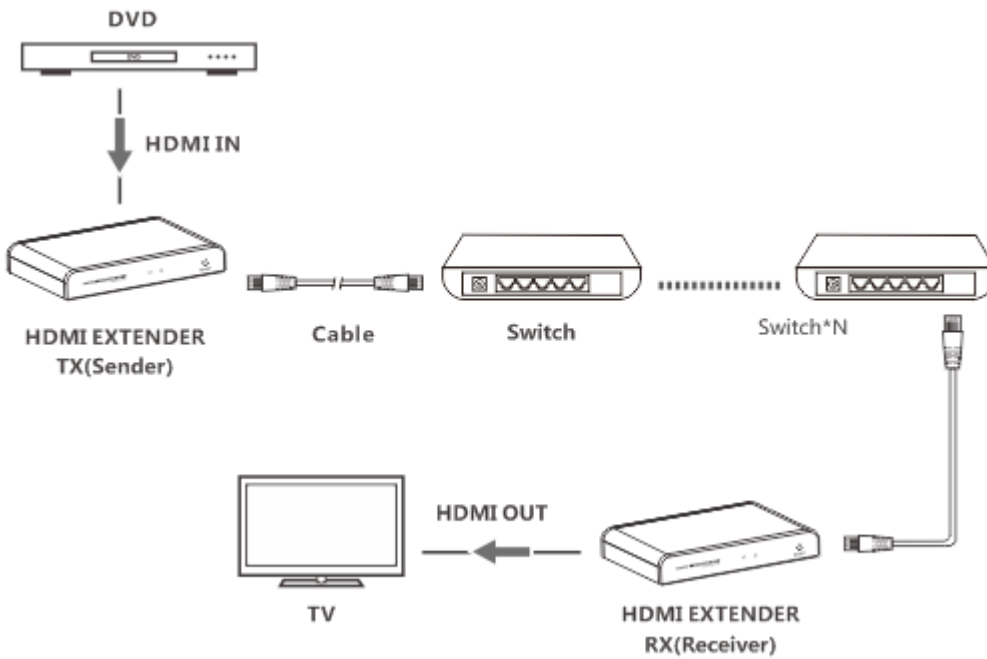
5.2.1 Point to Point connection:

Up to 120 meters transmission distance over single CAT6 (High quality cable can reach 150 meters)



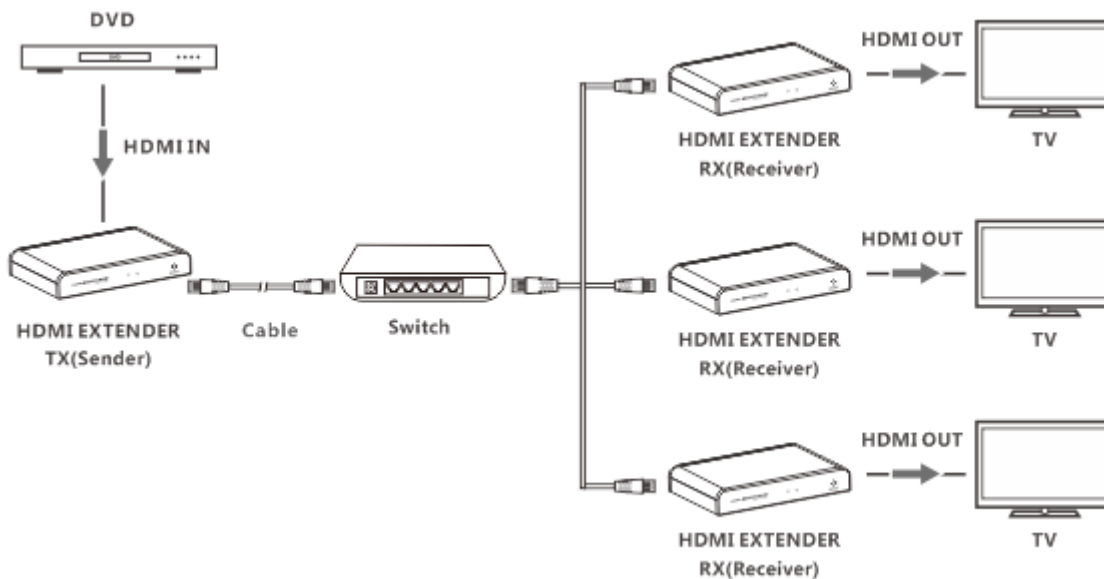
5.2.2 Router Connection:

By using network router/repeater, realize unlimited extension.



5.2.3 One-to-many Connection:

By using network router/switch , one sender to several receivers, realize extender & splitter function.



Note: Gigabit (1000Mbps) switcher is Recommended in LAN transmission.

5.3. IR User Guide

IR blaster extension cable should plug-in the IR-out port of TX (Sender) of HDMI extender, and the IR receiver extension cable should plug-in the IR-out port of the RX (Receiver) of HDMI extender. The emitter of IR blaster should as close as possible to the IR receiver of the signal source device.

Using the IR remote controller of the signal source device towards the IR receiver (connected to the RX of HDMI extender), to remote control source media playback.

6. FAQ

Q: TV display "Waiting for connection" on the right corner ?

A: Please check if the power supply of TX (Sender) and switcher(if used) is connected, and make sure connecting cable is firmly;

Q: TV display "Please check the TX input signal" ?

A: 1) please check if there is a HDMI signal input of TX;

2) Try to connect the signal source directly to display device to see if there is signal output from source device, or change the signal source, HDMI wire and try again.

Q: Display not fluent, not stable?

A: 1) Please check the cable length between the TX to switch, the switch to the RX and the connection between each level is within the required range;

2) Click the "reset" button on the TX/RX front panel, , reset and reconnect.

7. Technical Specification

Items	Specifications
HDMI Signal	Compatible with HDCP
Transport protocol	HDbiT
Supports resolutions	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
Network Cable	UTP/STP Cat5/5e/6
Transmission distance	Up to 120 meters transmission distance for 1080P Full HD over single CAT6
IR Signal	Supports 20~60KHz IR devices
Working Temperature	0°C ~ 60°C
Power Supply	DC5V/1A
Power Consumption	TX : 3.5W ; RX : 3W
Dimensions	130(W) x84(D) x23.2(H)mm *2pcs
Weight	TX:250g RX: 200g
Color	Black

Disclaimer

The product name and brand name may be registered trademark of related manufacturers. TM and ® may be omitted on the user manual. Design and specifications of this unit are subject to change without prior notice.

Pictures are for reference only. Products may differ slightly from images shown.